**Step 1: Set Up Your Development Environment**

Before you start coding, make sure you have the following installed on your local development machine:

* **XAMPP/WAMP/LAMP** or any local server stack (Apache, PHP, MySQL)
* **PHP** (7.x or higher recommended)
* **MySQL** (ensure MySQL CLI is installed and working)

You will also need a text editor (like VSCode, Sublime Text, or any other) for writing your PHP code.

**Step 2: Create the MySQL Database and Table**

1. **Access MySQL CLI**  
   Open the MySQL CLI. You can do this through a terminal or command prompt, depending on your operating system. Run:

bash

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mysql -u root -p

You will be prompted to enter your MySQL root password.

1. **Create a Database**  
   Create a new database where employee records will be stored. For example:

sql

Copy code

CREATE DATABASE employee\_db;

1. **Use the Database**  
   Switch to the newly created database:

sql

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USE employee\_db;

1. **Create the Employee Table**  
   Now, create the table to store employee records. For simplicity, let's assume the table will store basic information like employee ID, name, position, and salary.

sql

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CREATE TABLE employees (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

position VARCHAR(100) NOT NULL,

salary DECIMAL(10, 2) NOT NULL

);

1. **Verify the Table**  
   You can check if the table was created successfully by running:

sql

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SHOW TABLES;

You should see employees listed.

**Step 3: Set Up Your PHP Project**

1. **Create a Project Folder**  
   Create a folder in your server’s document root (e.g., htdocs for XAMPP) called employeeApp.
2. **Create Database Connection File**  
   Inside the project folder, create a file db.php that will handle the MySQL connection:

php

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<?php

$servername = "localhost";

$username = "root"; // or your MySQL username

$password = ""; // MySQL password

$dbname = "employee\_db"; // the database you created

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

?>

**Step 4: Create PHP File for Adding Employee Records**

1. **Create a Form for Adding Employees**  
   Create a new file addEmployee.php in your project folder. This file will contain the form for adding new employees:

php

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<?php

include('db.php');

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

// Collect form data

$name = $\_POST['name'];

$position = $\_POST['position'];

$salary = $\_POST['salary'];

// Prepare SQL query to insert data into the table

$sql = "INSERT INTO employees (name, position, salary)

VALUES ('$name', '$position', '$salary')";

if ($conn->query($sql) === TRUE) {

echo "New record created successfully";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Add Employee</title>

</head>

<body>

<h2>Add Employee</h2>

<form method="POST" action="addEmployee.php">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required><br><br>

<label for="position">Position:</label>

<input type="text" id="position" name="position" required><br><br>

<label for="salary">Salary:</label>

<input type="number" id="salary" name="salary" required><br><br>

<input type="submit" value="Add Employee">

</form>

</body>

</html>

**Step 5: Create PHP File to List Employees**

1. **Create Employee List Page**  
   Create a new file listEmployees.php to display the list of employees from the database.

php

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<?php

include('db.php');

// Fetch all employee records

$sql = "SELECT \* FROM employees";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Employee List</title>

</head>

<body>

<h2>Employee List</h2>

<table border="1">

<tr>

<th>ID</th>

<th>Name</th>

<th>Position</th>

<th>Salary</th>

</tr>

<?php

if ($result->num\_rows > 0) {

while ($row = $result->fetch\_assoc()) {

echo "<tr>

<td>" . $row['id'] . "</td>

<td>" . $row['name'] . "</td>

<td>" . $row['position'] . "</td>

<td>" . $row['salary'] . "</td>

</tr>";

}

} else {

echo "<tr><td colspan='4'>No records found</td></tr>";

}

?>

</table>

</body>

</html>

**Step 6: Test Your Application**

1. **Access the Application**  
   Open your browser and go to:
   * **Add Employee Page**: http://localhost/employeeApp/addEmployee.php
   * **Employee List Page**: http://localhost/employeeApp/listEmployees.php
2. **Add Employee**  
   On the addEmployee.php page, fill in the employee's name, position, and salary, and submit the form. You should see a success message if the record was added.
3. **View Employee List**  
   Go to the listEmployees.php page to see the list of all employees from the database.

**Step 7: Data Stored Verification**  
1. mysql -u root -p  
2. USE employee\_db;  
3. SELECT \* FROM employees;